

Converting Colors

$Yxy(12.2139, 0.2361, 0.3698)$

Have a look what the booklet for
Yxy(12.2139, 0.2361, 0.3698)
contains.

Yxy(12.2134, 0.2361, 0.3699)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2134, 0.2361, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	006F60
RGB	0, 111, 96
RGB Percent	0%, 44%, 38%
CMY	0.9998, 0.5647, 0.6236
CMYK	1.00, 0.00, 0.14, 0.56
HSL	172°, 100%, 22%
HSV	172°, 100%, 44%
XYZ	7.7956, 12.2134, 13.0091
YIQ	76.1010, -61.3410, -28.1970

Conversions

Conversions Part 2

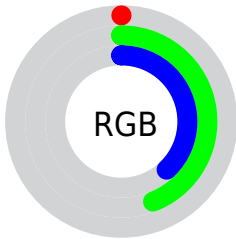
Format	Color
RYB	0, 60, 111
Decimal	28512
CIELab	41.55, -30.83, 0.72
CIELCh	42, 30.843, 178.654
Yxy	12.2134, 0.2361, 0.3699
Android (android.graphics.Color)	4278218592 (0xFF006F60)
YUV	76.1010, 9.8102, -66.7406
Hunter-Lab	34.9477, -21.3415, 2.3929

Details

The Yxy color **12.2134, 0.2361, 0.3699** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4154, 0.6138, 0.3156**, and the grayscale version is **7.2397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7656, 0.2560, 0.3596**, and **3.6755, 0.2399, 0.3837** is the 20% darker color. If you saturate the color by 10%, you get **12.2134, 0.2361, 0.3699**, and if you desaturate by 10%, it is **12.3137, 0.2375, 0.3654**.

Distribution



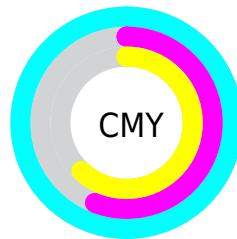
- Red (0%)
- Green (44%)
- Blue (38%)



- Red (0%)
- Yellow (24%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2134, 0.2361, 0.3699 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.2134, 0.2361, 0.3699 by changing the saturation by 10% instead.


 12.2134, 0.2361,
0.3699

 12.2134, 0.2361,
0.3699


 205.8130, 0.2825,
0.3450


 6.8892, 0.2205,
0.3784


 29.8832, 0.2555,
0.3594


 3.3929, 0.1972,
0.3911

 42.9975, 0.2620,
0.3560


 1.3401, 0.1448,
0.4192

 59.4774, 0.2671,
0.3532

 0.1720, 0.0000,
0.5573


 79.7071, 0.2714,
0.3510


 0.0000, 0.0000,
0.0000


 104.0712, 0.2748,
0.3491

 132.9539, 0.2778,


0.3475

 166.7397, 0.2803,
0.3462


 12.2134, 0.2361,
0.3699

 12.3137, 0.2375,
0.3654

 12.4434, 0.2399,
0.3608

 12.6281, 0.2440,
0.3563

 12.8740, 0.2498,
0.3519

 13.1865, 0.2573,
0.3475

■ 13.5702, 0.2663,
0.3433

■ 14.0296, 0.2766,
0.3394

■ 14.5686, 0.2879,
0.3356

■ 15.1910, 0.3001,
0.3322

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.2134, 0.2925, 0.4310



12.2134, 0.2361, 0.3699



12.2134, 0.2022, 0.3008

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.2134, 0.2361, 0.3699



12.2134, 0.2584, 0.2285



12.2134, 0.4448, 0.3878

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.2134, 0.2361, 0.3699



3.4154, 0.6138, 0.3156

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.2134, 0.4370, 0.3370



12.2134, 0.2361, 0.3699



12.2134, 0.3222, 0.2504

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.2134, 0.2361, 0.3699



12.2134, 0.2144, 0.2276



12.2134, 0.3900, 0.2887



12.2134, 0.4141, 0.4319

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.2134, 0.2361, 0.3699



12.2134, 0.1946, 0.2647



12.2134, 0.3900, 0.2887



12.2134, 0.4469, 0.3710

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.2139, 0.2361, 0.3699



25.0450, 0.2756, 0.3397



11.4858, 0.3062, 0.5950



5.9496, 0.2722, 0.3410



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2139, 0.2361, 0.3699



21.8560, 0.2364, 0.3711



5.8047, 0.1933, 0.2159



3.8078, 0.3012, 0.3318



14.3888, 0.2362, 0.3703



71.5843, 0.2369, 0.3728

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



3.4154, 0.6138, 0.3156



6.1009, 0.6190, 0.3184



4.8232, 0.5753, 0.3813



3.4082, 0.3255, 0.3262



4.0204, 0.6156, 0.3165



19.9504, 0.6253, 0.3218

Previews

White Background



This preview shows how the Yxy color 12.2134, 0.2361, 0.3699 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.2134, 0.2361, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

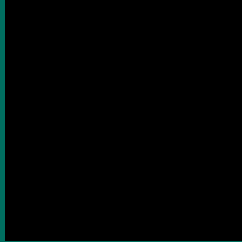
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2134, 0.2361, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 12.2134, 0.2361, 0.3699.



This preview shows how white text looks on a background with the Yxy color 12.2134, 0.2361, 0.3699.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.2134, 0.2361, 0.3699

Protanopia

12.2814, 0.3315, 0.3495

Deuteranopia

12.2303, 0.3240, 0.3181



Tritanopia

12.2855, 0.2271, 0.3063

Trichromacy



Original Color

12.2134, 0.2361, 0.3699

Protanomaly

11.5970, 0.2762, 0.3574

Deuteranomaly

11.4372, 0.2712, 0.3339

Tritanomaly

12.1799, 0.2294, 0.3288

Monochromacy



Original Color

12.2134, 0.2361, 0.3699

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.3977, 0.2623, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2134, 0.2361, 0.3699 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 111, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 96)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 111, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 96) }
```

Border

The CSS property to change the border of an element to Yxy 12.2134, 0.2361, 0.3699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 111, 96) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 111, 96) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 111, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2134, 0.2361, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 96) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 111,  
96) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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